Challenge

Equivalent Fractions

You can fold sheets of paper to show equivalent fractions.

1. How can you fold the sheet of paper to show the fraction \(\frac{4}{6}\)?

2. Explain Is there more than one way to fold a sheet of paper to show the fraction \(\frac{4}{6}\)? Explain your answer.

3. Draw three different ways to fold the paper to show \(\frac{1}{8}\). Use dotted lines for each fold.

4. Explore It Could you use a circular sheet of paper the same way you used a rectangular sheet of paper to show \(\frac{2}{3}\)? Explain your answer.
Equivalent Fractions

You can fold sheets of paper to show equivalent fractions.

1. How can you fold the sheet of paper to show the fraction \( \frac{4}{6} \)?

   **Sample answer:** Fold the paper in half vertically, making 6 sections. 4 of the 6 sections will be shaded.

2. Explain Is there more than one way to fold a sheet of paper to show the fraction \( \frac{4}{6} \)? Explain your answer.

   **Sample answer:** Yes. You can fold the paper horizontally into 3 sections and then fold it in half again horizontally.

3. Draw three different ways to fold the paper to show \( \frac{8}{12} \). Use dotted lines for each fold.

   **Drawings may vary. Sample drawings shown.**

4. Explore It Could you use a circular sheet of paper the same way you used a rectangular sheet of paper to show \( \frac{2}{3} \)? Explain your answer.

   **You could do it but it would be difficult to show by folding.**